

Fire Control Division Long Range Training Goals 2001

Long Range Goal One: *Continue to improve Tomahawk Employment and Engagement.*

This goal is a carryover from 2000 and supports the ship wide goal to improve on strike. Strike-ex's were conducted during 2000, with improvement over 1999 results. Force wide emphasis continues on this important mission, and additional improvement can be obtained onboard. This goal will be accomplished using the following training events:

- (1) Lectures will be given to increase the overall understanding of the process required for successful tomahawk employment and engagement.
- (2) FTs will fully participate in assigned Strike-Exs at sea to improve strike execution.
- (3) Strike attack centers and Ford Island Weapons trainers will be scheduled. The new Laptop weapons casualty trainer will be utilized.
- (4) Evolutions and drills will be conducted to ensure the division understand and can carry out procedures and casualties actions.

Long Range Goal Two: *Continue improvement on torpedo employment practices, focusing on pre-launch, post launch, and advanced tactics. This is a partial carryover from last year, with a continued need to focus on the division's basic mission. This goal will be accomplished using the following training events:*

- (1) Advanced topic lectures will be given to improve torpedo level of knowledge. In – depth knowledge of the OD 44979, Conventional Weapons Manual, and Pre/Post launch Adcap targets will be emphasized.
- (2) Evolutions and drills will be conducted to improve the division's actions.
- (3) Torpedo attack centers at NSTCPAC will be scheduled. The ship will have an opportunity to shoot torpedoes during POM cert.
- (4) The division will use the CD post launch trainer to improve their tactical ADCAP skills.

F.63/66J-15
FT LPO MOZ
CSO WPF
XO SW
CO

Fire Control Division Training Goals 1st Qtr 2001

Short Range Goal One: *Improve Fire Control Divisions ability to prepare for and launch Tomahawk weapons.* Include all preparation actions including spin up, mission planning, and asset management along with casualty responses. The goal supports the ships goal of executing Strike Missions in preparation for Pre-Overseas Movement and deployment. The goal will be accomplished using the following training events.

- (1) Training lectures will be given on Tomahawk firing procedures and casualties.
- (2) Fire Control division will conduct Strike-Ex exercises at sea. Additionally, conduct Strike exercises at sea.
- (3) Fire Control division will conduct Strike attack trainers inport if sufficient time available (Mar 2001).
- (4) Every FT will write an Indigo Firing report given initial conditions by CSO/FTC.

Measure of Effectiveness: The following methods will be utilized for evaluating success in completing the goal:

- (1) Monitored lecture training will be evaluated by the FTC and CSO.
- (2) The division should achieve a 3.0 average on questions pertinent to the goal.
- (3) Monitored Strike-Ex and attack training. Have external monitors evaluate every opportunity.

Short Range Goal Two: *Improve Fire Controls Divisions ability to conduct TMA and contact management in high density, shallow water operations.* Include all TMA methods normally conducted by the division, but this quarter training will add in the complexity associated with high density contacts and shallow water. This goal directly supports the ships goal of improving ship tactical performance in shallow water high contact situations. The goal will be accomplished using the following training events.

- (1) Training lectures and exams will be given on shallow water and high contact density situations.
- (2) At sea training evolutions will include periscope evolutions, AOBT problems, and exercises designed for a high number of contacts.
- (3) Every FT will prepare a set of presets for a shallow water high contact density situation promulgated by the CSO.

Measure of Effectiveness: The following methods will be utilized for evaluating success in completing the goal:

- (1) Monitored training will be evaluated by the FTC and CSO.
- (2) The division should achieve a 3.0 average on questions pertinent high density shallow water operations.
- (3) At sea evolutions will be monitored by the CSO and FTC. External monitors will be used every opportunity.

over...

Short Range Goal 3: *Continue improvement on torpedo employment pre-launch and casualties.* This goal supports the department long range goal of pre-launch, launch, post launch, and casualties. This goal will be accomplished using the following training events:

- (1) Advanced topic lectures will be given to improve pre-launch level of knowledge. In – depth knowledge of the OD 44979, Conventional Weapons Manual, and Pre launch tactics will be emphasized.
- (2) Evolutions and drills will be conducted to improve the division's actions.
- (3) Torpedo attack centers at NSTCPAC will be scheduled. Snapshots and AOBT problems will be used at sea.
- (4) The division will utilize the ADCAP CD to improve performance.

FTC ²² JCB
FT LEO
XO

CSO
CO

Classification: UNCLASSIFIEDLONG RANGE TRAINING PLANTRAINING GROUP: FIRE CONTROL DIVISIONPERIOD: 2001

SUBJECT	QUARTER				SIT. REQ.	REMARKS
	1	2	3	4		
TLAM/OTH – Preparations and Execution issues (see Tomahawk Firing Procedures for walk through)	Q	Q	Q	Q	Q	Combine with TMs as feasible.
Link 11 Operations			A		A(3)	
Strike-Exercise (Strike-Ex or Slam-Ex)	Q	Q	Q	Q	Q	
Weapon System Operability Trainer-Ford Island		A			A(2)	Combine with TMs as feasible
Snapshot Procedures	A				A(1)	Combine with TMs as feasible
Operation/Maintenance on 3"/6" LCHR Sys				A	A(4)	Combine with TMs as feasible
Use of Simulators			A		A(3)	Combine with TMs as feasible
ADCAP Firing Procedures subjects – OD44979 (pre-launch to point of firing)	Q	Q	Q	Q	Q	Combine with TMs as feasible Discuss characteristics of ADCAP and settings
ADCAP Post-Launch control subjects (point of firing to attack)	Q	Q	Q	Q	Q	Combine with TMs as feasible Use post-launch trainer or FCS
Conventional Weapons Manual – Mod 7 and Maintenance Weapons Guidance	A				A(1)	
Tomahawk FCS Casualties	Q	Q	Q	Q	Q	
ADCAP FCS Casualties	Q	Q	Q	Q	Q	
FCS Hardware/Casualties		S		S	S(2,4)	
In – rate training	S		S		S(1,3)	
Target Motion Analysis – Fire control tracking		S		S	S(2,4)	
Periscope Observations/Fire Control Plots			A		A(3)	
TAC 3 Operations/Recovery Procedures		A			A(2)	
Lessons Learned (FT Div)	A				A(1)	
Shallow water High Contact Density TMA	S	S	S		S(1,3)	
Towed Array TMA		S		S	S(2,4)	

NOTES: _____

Submitted: 
Department HeadNoted: 
Executive OfficerApproved: 
Commanding Officer

2045

USS GREENEVILLE SHORT RANGE TRAINING PLAN

(Non-Examination Week)

TRAINING GROUP: FIRE CONTROL DIVISION Period: 2001
WEEK OF 08 JAN 01 FIRST QTR

[illegible]

* Continue remarks on reverse, if required

Page 2 of 13

Classification: UNCL

Enclosure (3)

81

Classification:

USS GREENEVILLE SHORT RANGE TRAINING PLAN

(Non-Examination Week)

TRAINING GROUP: FIRE CONTROL DIVISION Period: 2001 FIRST QTR
WEEK OF 15 JAN 01

[illegible]

*. Continue remarks on reverse, if required

Page 3 of 13

Classification:

Classification: UNCL 3

GREENEVILLE INST 3500.1B

TRAINING CRITIQUE

Date: 1/31/00 Length: 1 hr Number in Attendance: 9Leader: (b)(3)/(b)(6) Monitor: (b)(3)/(b)(6) X0Subject: STRIKE EX. #1-D1 REVIEW Training Action Item: YNDTraining Group: FT. DIV. Type: Lecture Seminar / Evolution / OJTTraining Synopsis (Topics Covered): PLANNING, PLOTTING, MINSON, USE OF TIME,
VERIFICATION, ALT. DECONFLICTION, HORIZONTAL VS. VERTICAL, M³,
SHOOT SOONEST, MDU, MISSILE USAGE, RADARTraining Adequate Yes/No (Circle One), Evaluation Comments: _____

	YES	NO		YES	NO	List specifics for data used
TRP/Lesson Plan Followed	✓		Training Aids Used		✓	
Lecture Objectives Stated	✓		Logs and Plotted Date Used		✓	
Lecture Objectives Met	✓		Theory to Practice	✓		
Depth Covered Sufficiently	✓		Incident Report/ Lessons Learned	✓		

Lecturer: (b)(3)/(b)(6)
Printed Name/SignatureMonitor: (b)(3)/(b)(6)
Printed Name/Signature

Recommended Training Action: _____

SRTP Updated: (b)(3)/(b)(6)
Printed Name/SignatureNoted: _____
Printed Name/Signature

Department Head: _____

Executive Officer: (b)(3)/(b)(6)

Remarks Action: _____

Remarks/Action: _____

Commanding Officer: _____

Remarks/Action: _____

Classification: _____

Enclosure (7)

Fire Control Division

✓ FTC/SS

N/A FT1/SS

WATCH FT1/SS

✓ FT2/SS

✓ FT2/SS (b)(3)
(b)(6)

✓ FT2/SS

✓ FT3/SS

✓ FT3/SS

✓ FT3/SS

✓ FT3/SS

✓ LT

X-Present

A-Absent

S-School

L-Leave

81

Classification: UNCL.

GREENEVILLE INST 3500.1B

TRAINING CRITIQUE

Date: 11/29/01Length: 5 hrsNumber in Attendance: 29Leader: ESR FTCMonitor: CSOSubject: STRIKE EX. 01-01 w/ MDU Training Action Item: YNTraining Group: WARDROOM/FT DIV. / TM DIV/COM. DIV Type: Lecture / Seminar Evolution OJTTraining Synopsis (Topics Covered): STRIKE, MDU, MESSAGE TRAFFIC,
THANK CASUALTIES, RECOVERY PROCEDURES, M3, MISSION
PLANNING, MISSION CHARTING, MDU FAULT RECOVERY, VOICE
COMMS, TUBE LOADING/UNLOADING, RAPID RELOAD.Training Adequate Yes No (Circle One), Evaluation Comments: AWAITING FTCKS ALMANZAS'
HOTSHEET FOR STRIKE EVALUATION.

	YES	NO		YES	NO	List specifics for data used
TRP/Lesson Plan Followed	<u>N/A</u>		Training Aids Used	<u>✓</u>		
Lecture Objectives Stated	<u>N/A</u>		Logs and Plotted Date Used	<u>N/A</u>		
Lecture Objectives Met	<u>N/A</u>		Theory to Practice	<u>✓</u>		
Depth Covered Sufficiently	<u>✓</u>		Incident Report/ Lessons Learned	<u>✓</u>		

Lecturer: S. B. / 3 / 1
Printed Name/SignatureMonitor: CSO. [b)(3) / (b)(6)]
Printed Name/Signature

Recommended Training Action: _____

SRTP Updated: 1 L. [b)(3) / (b)(6)]
Printed Name/SignatureNoted: _____
Printed Name/Signature

Department Head: _____

Executive Officer: _____

Remarks Action: _____

Remarks/Action: _____

Commanding Officer: _____

Remarks/Action: _____

Classification: UNCLASS

Enclosure (7)

(88)

Fire Control Division

<u>✓</u> FTC/SS	WARPCOM	CO	✓	COMDIV.	ETCS	✓
<u>N/A</u> FT1/SS		XO	✓		ETCS	✓
<u>✓</u> FT1/SS		CSO	✓		ETCS	✓
<u>✓</u> FT2/SS		ENG	✓			
<u>✓</u> FT2/SS		PENG	✓			
<u>✓</u> FT2/SS		LTJG	✓			
<u>✓</u> FT2/SS		LTJG	✓			
<u>✓</u> FT2/SS		LTJG	✓			
<u>✓</u> FT3/SS		NAV	✓			
<u>✓</u> FT3/SS		ENS	✓			
<u>✓</u> FT3/SS		ENS	✓			
<u>✓</u> FT3/SS		TML	✓			
<u>✓</u> FT3/SS		TML	✓			
<u>✓</u> FT3/SS		TML	✓			
<u>✓</u> FT3/SS		TML	✓			

(b)(3)

(b)(6)

X-Present

A-Absent

S-School

L-Leave

Classification: UNCLASS

GREENEVILLE INST 3500.1B

TRAINING CRITIQUE

Date: 20 JAN 01 Length: 1 hr Number in Attendance: 8Leader: [b3/b6] Monitor: [b3/b6]Subject: TOMAHAWK CASUALTIES Training Action Item: Y/NTraining Group: FT-DIV Type: Lecture / Seminar / Evolution / OJT

Training Synopsis (Topics Covered): ABORT LAUNCH, HARD FIRE, MISFIRE (CPG.1)
CPG.5 - BOOSTER ARMED CONFLICT, BOOSTER ARMED AND
BOOSTER SAFED LIT, BOOSTER ARM LIT, CPG.2 - DATA LINK FAIL,
DESPW - DECLASS, Missile failure, CPG.6 - HATCH FAILS TO OPEN,
CPG.13 - TRANSDUCER CONFLICT, CPG.12 - TRANSDUCER FAILURE.

Training Adequate ☒ Yes ☐ No (Circle One), Evaluation Comments: _____

	YES	NO		YES	NO	List specifics for data used
TRP/Lesson Plan Followed	X		Training Aids Used	X		
Lecture Objectives Stated	X		Logs and Plotted Date Used		X	
Lecture Objectives Met	X		Theory to Practice		X	
Depth Covered Sufficiently	X		Incident Report/ Lessons Learned		X	

Lecturer: [b3/b6]
Printed Name/Signature _____Monitor: [b3/b6]
Printed Name/Signature CSO [Signature]

Recommended Training Action: _____

SRTP Updated: [b3/b6]
Printed Name/Signature _____Noted: _____
Printed Name/Signature _____

Department Head: _____

Executive Officer: _____

Remarks Action: _____

Remarks/Action: _____

Commanding Officer: _____

Remarks/Action: _____

Classification: UNCLASS

Enclosure (7)

90

Fire Control Division

X FTC/SS

 FT1/SS

X FT1/SS

X FT2/SS (b)(3)

 FT2/SS (b)(6)

X FT2/SS

X FT3/SS

X FT3/SS

X FT3/SS

X FT3/SS

X-Present

A-Absent

S-School

L-Leave

(91)

Classification: 5

GR EVILLEINST 3500.1B

TRAINING CRITIQUE

Date: 13 JAN 01Length: 1.0 HRNumber in Attendance: 12 (8 FTs, 4 T)Leader: FTCMonitor: CSOSubject: Strike Peps Training Action Item: Y/NTraining Group: TM & FTs Type: Lecture Seminar / Evolution / OJT

Training Synopsis (Topics Covered): Missile Peps, Warning Order, LAC Intentions, Indigo,
TIM, TFL, DTD, Link, Watch to Watch, DFS/CS Engage, Adv/Disadv of Ripple
Launch, Power Down & Launch Procedures, Pre-Launch, Launch, Casualties, 51 minutes, align
Casualty, PVC Failure, Hatch fail to open casualty,

Training Adequate Yes/No (Circle One), Evaluation Comments: _____

	YES	NO		YES	NO	List specifics for data used
TRP/Lesson Plan Followed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Training Aids Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Lecture Objectives Stated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Logs and Plotted Date Used	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Lecture Objectives Met	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Theory to Practice	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Depth Covered Sufficiently	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Incident Report/Lessons Learned	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Lecturer: [b3/b6]
Printed Name/SignatureMonitor: CSO/[b3/b6]
Printed Name/Signature

Recommended Training Action: _____

 SRTIP Updated: 111 DDI
[b3/b6]
 Printed Name/Signature

 Noted: CSO/
 Printed Name/Signature
Department Head: [b3/b6]

Executive Officer: _____

Remarks Action: _____

Remarks/Action: _____

Commanding Officer: _____

Remarks/Action: _____

Classification: UNCLAS

Enclosure (7)

T2

Weapons Department

21 OCT 00

Officers

CO	_____
XO	_____
CSO	_____✓_____
LT Mahoney	_____

ST-Division

STSC	_____
STSC	_____
STS1	_____
STS1	_____
STS1	_____
STS2	_____ (b)(3) _____
STS2	_____ (b)(6) _____
STS3	_____
STS3	_____
STS3	_____
STS3	_____
STS3	_____
STS3	_____
STS3	_____
STS3	_____
STSSA	_____ ✓ _____
STSSA	_____

MM-Division

MMC	_____ ✓ _____
MM1	_____ (b)(3) _____ ✓ _____
MM2	_____ (b)(6) _____ ✓ _____
MM3	_____
MMFA	_____ ✓ _____

FT-Division

FTC	_____ ✓ _____
FT2	_____ ✓ _____
FT2	_____
FT2	_____ (b)(3) _____
FT3	_____ (b)(6) I _____ ✓ _____
FT3	_____ ✓ _____
FT3	_____ ✓ _____
FT3	_____
FT2	_____ ✓ _____

DECK-Division

FT1	_____
SA	_____ (b)(3) _____
SA	_____ (b)(6) _____

Additional

_____	_____
_____	_____
_____	_____
_____	_____

Key

X Present
T TAD
M Medical

L Leave
W Watch
SL Special Liberty

S School

93

Classification: UNCLAS

TRAINING CRITIQUE

Date: 07 JAN 01 Length: 1.0 HR Number in Attendance: 6 FTS
 Leader: [b3/b6] Monitor: CSO [b3/b6]
 Subject: CWM / Mode 7 Guidance Training Action Item: Y/N
 Training Group: FTS and TMS Type: Lecture / Seminar / Evolution / OJT
 Training Synopsis (Topics Covered): Mode 7 confidence checks, NWP 3-03.6, Conventional
Weapons Manual, Purpose, Max Salvo, cart check, when do Mode 7 Tests,
TSC directing, Launch Procedures, Safety Perceptions, Links, Verifying Links,
CO permission, Record Book entry, ESCO master, Aligned Times, Mode 4/6, P/P, Turned off
 Training Adequate (Yes) No (Circle One), Evaluation Comments: _____

	YES	NO		YES	NO	List specifics for data used
TRP/Lesson Plan Followed			Training Aids Used			
Lecture Objectives Stated			Logs and Plotted Date Used			
Lecture Objectives Met			Theory to Practice			
Depth Covered Sufficiently			Incident Report/Lessons Learned			

Lecturer: [b3/b6] Monitor: CSO/[b3/b6]
 Printed Name/Signature Printed Name/Signature

Recommended Training Action: On periscope litany - chart sheet (for POM chart)

S RTP Updated: CSO/[b3/b6] Noted: CSO/[b3/b6]
 Printed Name/Signature Printed Name/Signature

Department Head: MOZ Executive Officer: _____

Remarks Action: _____ Remarks/Action: _____

Commanding Officer: [Signature]

Remarks/Action: _____

Classification: UNCLAS

Enclosure (6)

94

FTC (

MMc

FT^{1/55}

FT²

FT³ (b)(3)

FT³ (b)(6)

FT²

FT²

MM²

MM³

MM¹

Classification: UNCLASS

GROUP EXAMINATION COVER SHEET

TRAINING GROUP: FIRE CONTROL DIVISIONDATE ADMINISTERED: 29 JAN 01TOPIC(S): MENTAL TMA, MODE 7 CONFIDENCE CHECKS, TOMAHAWK STRIKE, TOMAHAWK CASUALTIES, WATCH STANDING, ADCAP, TRUICOVERT LAUNCHAPPROVAL: SUBMITTED: [b3/b6]REVIEWED (DO): N/AREVIEWED (LPO): [b3/b6]APPROVED (DH): MODM

RESULTS: HIGH _____ AVE _____ LOW _____

No Failed: _____ of _____

			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	TOTAL	O/A	POINT VALUE PER QUESTION															REQUIRED
NAME	PTS	GRADE	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	ACTION
	60	4.0	POINTS PER QUESTION															
(b)(3)	54	3.6	4.0	3.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0	4.0	4.0	3.0	3.0	4.0	3.0	
(b)(6)	50	3.3	4.0	4.0	3.0	3.0	3.0	4.0	4.0	(2.0)	3.0	4.0	4.0	4.0	3.0	3.0	4.0	
	45	3.0	4.0	(2.0)	3.0	4.0	(2.0)	3.0	3.0	4.0	4.0	3.0	3.5	2.5	6.5	2.5	4.0	
	34	2.3	4.0	2.0	4.0	4.0	(2.0)	(2.0)	(2.0)	(2.0)	(2.0)	3.0	3.0	3.0	3.5	3.0	1.5	
	36	(2.4)	4.0	(2.0)	4.0	4.0	(2.0)	(2.0)	3.0	(2.0)	(2.0)	4.0	2.0	3.5	3.0	3.5	4.0	
	48	3.1	4.0	4.0	4.0	(1.0)	2.0	4.0	3.0	4.0	4.0	3.0	3.0	3.5	3.5	4.0	4.0	
EXAM AVERAGE																		

ASSIGNED GRADERS: [b3/b6]

REMARKS: _____

REVIEW: [b3/b6] LPO/DATE

NOTED: _____ XO/DATE

REVIEW: _____ DO/DATE

NOTED: _____ CO/DATE

REVIEW: _____ DH/DATE

Retrained on failed question numbers () _____
comp dateRe-examined failed question numbers () _____
comp dateClassification: UNCLASS

Enclosure (7)

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PERIOD: YEAR 2001

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